CLAIMS

What is claimed is:

1. An image printing device comprising:

an input for receiving an image data signal in said image printing device; and

a processor in said image printing device for receiving and processing said image data signal;

wherein

said image data signal contains data specifying location data for each dot of which an image described by said image data signal is constituted, and

said processor determines a size for each said dot based on dot density data derived from said location data of said image data signal.

2. The image printing device of claim 1, further wherein said processor is programmed to count a number of dots specified by said location data for printing in a square matrix centered on a particular dot for which dot size is to be determined and to calculate a dot density estimation based on said number of dots in said square matrix.

3. The image printing device of claim 2, wherein a dot size of said particular dot is determined based on said dot density estimation.

4. The image printing device of claim 2, wherein said square matrix has five pixels to a side.

5. The image printing device of claim 2, wherein said processor, in calculating said dot density, weights each counted dot based on proximity to a center of said square matrix.

6. The image printing device of claim 1, wherein said printing device prints said image using said location data in said image data signal and dot size data determined by said processor.

7. The image printing device of claim 1, wherein said printing device is a laser printer.

8. The image printing device of claim 1, wherein said printing device is an ink-jet printer.

9. The image printing device of claim 1, wherein said printing device is a fax machine.

10. A method of printing an image with an image printing device based on an image data signal that comprises data specifying print location data for each dot that constitutes said image, said method comprising determining a size for each said dot based on said print location data of said image data signal.

11. The method of claim 10, wherein said determining a size for each said dot further comprises, determining a density of dots around that dot for which size is being determined and determining said size for that dot based on said density.

12. The method of claim 10, further comprising:

counting a number of dots specified by said print location data for printing in a square matrix centered on a particular dot for which dot size is to be determined; and

calculating a dot density estimation based on said number of dots in said square matrix.

13. The method of claim 12, further comprising determining a dot size of said particular dot is based on said dot density estimation.

14. The method of claim 12, further comprising defining said square matrix as having five pixels to a side.

15. The method of claim 12, wherein said calculating a dot density estimation further comprises weighting each counted dot based on proximity to a center of said square matrix.

16. The method of claim 10, further comprising printing said image with said printing device using said location data in said image data signal and dot size data.

17. An image printing device comprising:

means for receiving an image data signal in said image printing device; and

processor means in said image printing device for receiving and processing said image data signal, wherein said image data signal contains data specifying location data for each dot of which an image described by said image data signal is constituted,

said processor means comprising means for determining a size for each said dot based on dot density data derived from said location data of said image data signal.

18. The image printing device of claim 17, further wherein said processor means comprises:

means for counting a number of dots specified by said location data for printing in a square matrix centered on a particular dot for which dot size is to be determined; and

means for calculating a dot density estimation based on said number of dots in said square matrix.

19. The image printing device of claim 18, wherein a dot size of said particular dot is determined based on said dot density estimation.

20. Computer-readable instructions stored on a media for recording computer-readable instructions, wherein said instructions cause a processing device, that receives an image data signal comprising data specifying print location data for each dot that constitutes an image, to determine a size for each said dot based on said print location data of said image data signal.

21. The computer readable instructions of claim 20, wherein said instructions further cause said processing device to:

determine a density of dots around that dot for which size is being determined; and

determine said size for that dot based on said density.

22. The computer readable instructions of claim 20, wherein said instructions further cause said processing device to:

count a number of dots specified by said print location data for printing in a square matrix centered on a particular dot for which dot size is to be determined; and

calculate a dot density estimation based on said number of dots in said square matrix;

wherein said size for that particular dot is determined based on said calculated dot density.